

July 20, 2011

Product Specifications of the R2A20134EVB Design Support Tool

Type Name		R2A20134 EVB-NN1E	R2A20134 EVB-NN1P	R2A20134 EVB-NN2	R2A20134 EVB-ND	R2A20134 EVB-IN	R2A20134 EVB-ID
Summary	isolation	non-isolation				isolation	
	Mode	CRM		Fixed switching frequency			
	Topology	Step down/HighsideSW		Buck boost/LowSideSW		Fly back	
	Control	Average current	Peak current				
	TRIAC dimming			Quasi at 100V only	Yes		Yes
Original Setting	AC input (V)	100	100	100	100	100	100
	Output Vf (V)	65/35	65/35	30	30	30	30
	LED current (mA)	100	100/120	120	240	120	250
Target Bulb size		E26	E26	E17	E26	E17	E26
PCB size (mm)		33.5 × 36 max.	33.5 × 36 max.	20 × 35 max.	33.5 × 36 max.	20 × 35 max.	33.5 × 36 max.
Typical performance	Eff.	92% / 87%	89% / 87%	84%	75%	82%	72%
	PF	0.93/0.94	0.6/0.53	0.7	0.91	0.73	0.93
Characteristic		High Eff. & PF	Less Components		TRIAC dimmable	isolated	isolated TRIAC dimmable

Product Specifications of the R2A20134SP LED Driver IC

- Maximum power supply voltage: 24 V
- Operating junction temperature: -40 to +150°C
- Package: SOP-8
- UVLO
 - Operation start voltage: 12.0 V±0.8 V
 - Operation stop voltage: 9.2 V±0.7 V
- On-chip functions
 - Overcurrent limit function
 - Zero current detection function
 - Power factor improvement function